ECS Configuration Change Request

1. Originator Cherry Kenney	2. Log Date: **4/19/02**	3. CCR #: 02-0325	4. Rev: -	5. Tel: 301-883-4177	6. Rm #: 3204D	7. Dept. DEV/SWIT

8. CCR Title: TE_6A.05_STMGT.03. For All DAACs. Contains fix for one Sev 1 NCR, ECSed34075 StCacheManager can't clean up staging - distribution stopped

9. Originator Signature/Date **Signature on file**	10. Class II	11. Type: **CCR**	12. Need Date: 19April02

13. Office Manager Signature/Date Signature on file	14. Category of Change: Initial ECS Baseline Doc.	15. Priority: (If "Emergency" fill in Block 27). Emergency

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected:STMGT

19. Release Affected by this Change: 6A	20. Date due to Customer: 19April02	21. Estimated Cost: None - Under 100K

22. Source Reference: ☒**NCR (attach)**   ☐**Action Item** ☐**Tech Ref.** ☐**GSFC** ☐**Other:**
34075

23. Problem: (use additional Sheets if necessary)
ECSed34075 StCacheManager can't clean up staging - distribution stopped

24. Proposed Solution: (use additional sheets if necessary)
Deliver TE_6A.05_STMGT.03. TE can be installed on top of (or instead of) TE_6A.05_STMGT.02 or Patch_6A.05_STMGT.01C (I.e. TE_6A.05_STMGT.02 & Patch_6A.05_STMGT.01C. can be skipped if you haven't already installed it.) This TE includes the fixes that were in TE_6A.05_ STMGT.02 & Patch_6A.05_STMGT.01C plus a severity 1 NCR. The Severity 1 NCR is just an additional STMGT database patch.

25. Alternate Solution: (use additional sheets if necessary)
Delay testing; wait until next full system delivery.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Delays in testing or possible delays in 6A.05 operational testing

27. Justification for Emergency (If Block 15 is "Emergency"):
Needed immediately following the delivery of 6A.05.

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☒EDC ☒ GSFC ☒LaRC ☒NSIDC ☐SMC ☐AK ☐JPL
☐EOC ☐ IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): A. Abtahi 4/19/02	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): G. G. Gavigan, Jr. 4/22/02	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #: 02-0325 **Rev: -** **Originator:** Cherry Kenney

Telephone: 301-883-4177 **Office:** 3204D

Title of Change: TE_6A.05_STMGT.03. For All DAACs. Contains fix for one Sev 1 NCR, ECSed34075 StCacheManager can't clean up staging - distribution stopped
Actions

ClearCase

Please build IRIX tar file from the 6A05 baseline for the following packages:

.EcDsStArchive.pkg
.EcDsStDatabase.pkg
.EcDsStIngestFtp.pkg
.EcDsStPullMonitor.pkg

Please name tarfile TE_6A.05_STMGT.03

Deliver tarfile to All DAACs.

DAAC INSTALL INSTRUCTIONS

A. SETUP:

1. Untar the IRIX65 tar file using the following script:

TE_6A.05_STMGT.03_Apr-19-2002_6A05_irix65_20020419_124710_Setup.ksh

When prompted, do not install a new version of EcsAssist.

2. cd <staging_area>/IRIX65/CUSTOM/dbms/DSS

3. chmod -R 775 *

4. Suspend all Distributions using the Distribution GUI (using the Suspend All option).

5. Take down all STMGT Servers and the STMGT Gui

B. INSTALLATION:

1. Logon to any SUN in the .sitemap. (E.A.S.I. must be run from a SUN)

2. Bring up EcsAssist and via E.A.S.I. install the following four packages: (If you have already installed TE_6A.05_STMGT.02, then only install the .EcDsStDatabase.pkg)

.EcDsStArchive.pkg
.EcDsStDatabase.pkg
.EcDsStIngestFtp.pkg

.EcDsStPullMonitor.pkg

IMPORTANT INFORMATION: If you have already installed TE_6A.05_STMGT.02, you may skip step C (Configuration). Proceed with step D, installing and applying the database patch(6136).

C. CONFIGURATION:

The following new parameter will be added to the STMGT .cfgparms file for the EcDsStFtpServer, EcDsStCacheManagerServer and EcDsStPullMonitorServer: LogInterval (with a default value of 100 MegaBytes) This value controls the logging frequency of how often an FTP transaction is logged to the stmgt database (NCR ECSed32257).

The EcDsStFtpServer and EcDsStCacheManagerServer are installed on the following hosts:

    EDC: e0acg11, e0drg011, e0drg012, e0icg11, e0wkg01
    GSFC: g0acg01, g0drg01, g0drg02, g0icg01, g0icg02
    LARC: l0drg01, l0icg01
    NSIDC: n0acg01, n0drg01, n0icg01

The EcDsStPullMonitorServer is installed on the following hosts:

    EDC: e0acg11
    GSFC: g0acg01
    LARC: l0acg02
    NSIDC: n0acg01

On each of the hosts for the EcDsStFtpServer, EcDsStCacheManagerServer and EcDsStPullMonitorServer, complete the steps 3 thru 8 (it is recommended that you configure xxacgnn last):

3. Bring up EcsAssist Subsystem Manager

4. Drill down through the MODE, DSS, EcDsSt, EcDsStStorageMgmtApp, and click on EcDsStFtpServer (if you are configuring the EcDsStFtpServer), EcDsStCacheManagerServer (if you are configuring the EcDsStCacheManagerServer) or EcDsStPullMonitorServer (if you are configuring the EcDsStPullMonitorServer).

5. Next Click on Configuration. Only the configuration parameters for the server you are configuring should be displayed. When the .cfgparms are displayed verify all values displayed agree with the values already in the Registry. Then click on Continue. A new configuration file (either EcDsStFtpServer.CFG, EcDsStCacheManagerServer.CFG or EcDsStPullMonitorServer.CFG) will be created.

6. Move the newly created configuration file to its ".rgy" backup (i.e. mv EcDsStFtpServer.CFG EcDsStFtpServer.CFG.rgy) (You do not need to Populate the Registry, we will update the registry later using the .rgypatch. Do not try to run a .rgypatch from an SGI architecture)

STEPS 7 and 8 ARE IMPORTANT ONLY IF YOU HAVE A FIREWALL:

7. ls –lrt SLCsocks5.conf.* (This will display a list of SLCsocks5.conf files)

8. Determine which file has the correct value for your firewall configuration and move that file to SLCsocks5.conf. (Delete the other copies if desired.)
example: mv SLCsocks5.conf.20020312121212 SLCsocks5.conf

9. Log on to the host where EcDsStmgtGui (or EcDsStRequestManager) is installed

10. cd /usr/ecs/<MODE>/CUSTOM/.installed/DSS/stmgt

11. cp <staging_area>/IRIX65/CUSTOM/.installed/DSS/stmgt/.rgypatch .rgypatch

12. Bring up the EcsAssist Subsystem Manager

13. Choose the MODE, DSS and EcDsSt.

14. On the Tools Menu, Click on Registry Data Patch

15. Fill in the following:
Registry Database Server: xxicgnn
Registry DBO Id: css_role
Registry Password: <password>
Registry DB Name: EcCsRegistry<_MODE> (Remember to enter carriage return)
Tree to patch: (select from pull down menu)
Patch File: -- /usr/ecs/<MODE>/CUSTOM/.installed/DSS/stmgt/.rgypatch

16. To view the contents of the patch file you are about to apply click on the words Patch File.

17. After you have reviewed the .rgypatch file, click OK. This will update the current Registry tree with the new LogInterval parameter for EcDsStFtpServer, EcDsStCacheManagerServer and EcDsStPullMonitorServer for all hosts.

D. PATCH STMGT DATABASE

1. On the host were the STMGT database is installed (xxacgnn), bring up EcsAssist Subsystem Manager

2. Select the MODE, DSS, EcDsSt and then click on Database Patch

3. Update the STMGT database with the following patch:

Patch Number   Patch Description

Patch_6A.05_STMGT.01C 6121   Modified DsStCMSelectExpiredLinks store procedure to allow deletion of file links.
Patch_6A.05_STMGT.01C 6123   Adds new store procedure DsStCMUpdateExpireDir, sets new Expiration datetime for the file transfered.
Patch_6A.05_STMGT.01C 6125   Changes Retention default in DsStStagingDisk to 720 and updates the Retention values in table by changing value to 720
Patch_6A.05_STMGT.01C 6129   Changes DsStCMDeleteExpiredLiens.sp to free space reserved by client
TE_6A.05_STMGT.02   6133   The changes to the stored procedure included modifying the last update statement to DsStCacheFile to include FileName as a restricting criteria, and adding edit checking for the modify data commands. This is to improve performance.
TE_6A.05_STMGT.03 6136   Changes DsStCMRemoveLink.sp stored proc so space can be freed up

E. POST INSTALLATION

1. Warm Start all the STMGT servers.

2. Manually resume all distributions by clicking "RESUME ALL" on the distribution GUI.